Google scholar

key update multiple parts

[Search]

◉ Search only in Engineering, Computer Science, and Mathematics.
○ Search in all subject areas.

Scholar | Articles and patents | - 2001 | include citations | Results **1 - 100** of abc

Freenet: A distributed anonymous information storage and retrieval system

I Clarke, O Sandberg, B Wiley, TW Hong - Lecture Notes in Computer ..., 2001 - Springer
... To **update** a file, the owner first inserts a new version under its content-hash **key**, which should
be ... version of the file, while old versions can continue to be accessed directly by content-hash
key if desired. ... Content-hash keys can also be used for splitting files into **multiple parts**. ...
Cited by 2043 - Related articles - BL Direct - All 158 versions

Attacks on cryptoprocessor transaction sets

M Bond - Lecture notes in computer science, 2001 - Springer
... A **key** with membership of **multiple** types thus allows transplanting of **parts** of the
old hierarchy between old and new types. ... The user state also contains transactions
to permit **key** generation and **update** for session keys. ...
Cited by 71 - Related articles - BL Direct - All 27 versions

SOFA/DCUP: Architecture for component trading and dynamic **updating**

F Plášil, D Bálek, R Janecek - Proceedings of ICCDS, 1998 - doi.ieeecomputersociety.org
... Language) which support versioning by strictly separating the component interface from the
component architecture (**multiple** versions of ... Provision of an **update** operation with ... Our second
goal is to introduce and demonstrate the **key** features of DCUP, which are novel with ...
Cited by 284 - Related articles - All 9 versions

[CITATION] A model for file structure determination for large on-line data files

LD Martin - File organisation: Selected papers from File 68, 1969 - Swets and Zeitlinger
Cited by 19 - Related articles

In search of **multiple** domain **key** recovery

LR Knudsen, KM Martinb - Journal of Computer Security, 1998 - IOS Press
... send keys according to their own policy, but must rely on RA and RB for the **update** of private ...
232 LR Knudsen and KM Martin / In search of **multiple** domain **key** recovery ... The user soundness
for the different techniques of **key** recovery can be increased if the **key** recovery system ...
Cited by 6 - Related articles - BL Direct - All 4 versions

A nonce-based protocol for **multiple** authentications

A Kehne, J Schönwälder, H ... - ACM SIGOPS Operating ..., 1992 - portal.acm.org
... We have presented a nonce-based protocol for **multiple** authentications. ... the ticket contains all
information necessary to check the validity of the session **key**, the server ... Depending on the **update**
frequency of the time synchronization protocol in use, another strategy for changing ...
Cited by 69 - Related articles - BL Direct - All 3 versions

Scaling clustering algorithms to large databases

PS Bradley, U Fayyad, C Reina... - Knowledge Discovery and Data ..., 1998 - aaai.org
... The **key** insights for this generalization are: 1) Retained points RS and the sets CS (representing
local dense structures) are shared amongst the all models; 2) Each model, say Mi, will have ... Space
requirements do not permit the presentation of the **multiple** model **update**. ...

FLASH: a language-independent, portable file access system

JE Allchin, AM Keller, G Wiederhold - Proceedings of the 1980 ACM ..., 1980 - portal.acm.org
... automatically compute such FLASH parameters a the size of the file record and **key** and relieve ...
Some implemeutatlona of PL/I [IBM41 use **multiple**, in- compatible file formats to achieve the ... for
example, that a read with intention to modify must have, preceded an **update** request. ...

[CITATION] **Update** semantics for a multilevel relational database system

TF Lunt, D Hsieh - Database security, IV: status and prospects: ..., 1991 - North Holland

Operation-level composition: A case in (join) point

HL Ossher, PL Tarr - Lecture Notes in Computer Science, 1998 - Springer
... Thus, the needed join points are operations: the "**update**" part of the persistence aspect ... A **key**
element of SOP is flexible, domain-independent, generic points at which composition is to ... the
ability to describe capabilities associated with concerns that cut across **multiple parts** of a ...

A Markov chain model for statistical software testing

JA Whittaker, MG Thomason - IEEE Transactions ..., 1994 - doi.ieeecomputersociety.org
... We define a sto- chastic model that is capable of modeling **multiple** probability distributions
corresponding to pertinent software modes and is tractable for the computation of properties of
informative random ... I. The input domain consists of the up-arrow **key** and the down-arrow ...

Joint probabilistic techniques for tracking multi-part objects

C Rasmussen, GD Hager - In CVPR98, 1998 - eprints.kfupm.edu.sa
... of the Kalman Iter 1] that casts the problem of data association, or how to **update** the state ...
interference, wereone to simply run a separate PDAF on each part, could lead to **multiple** trackers
locked onto ... A **key** notion in the JPDAF is of a joint event , or conjunction of possible target ...

... , and some emerging di-lemmas involving calibration, the blank, and **multiple** ...

LA Currie - Chemometrics and Intelligent Laboratory Systems, 1997 - Elsevier
... and Intelligent Laboratory Systems 37 (1997) 151-181 Detection: International **update**, and some ...
the stage 173 4.1.2. **Multiple**, independent detection decision 174 4.1.3. **Multiple** false negative ...
Following that, we review **key** aspects of detection and quantifica- tion concepts and ...

EHBT: An efficient protocol for group **key** management

S Rafaeli, L Mathy, D Hutchison - Lecture Notes in Computer Science, 2001 - Springer
... Member n 1 refreshes k 1 and, because it has removed K 12 , it updates K 14 and K 18
.Members holding **key** K 34 get new **key** K 14 and then **update key** K 18 . Members holding
key K 58 get new **key** K 18 . **Multiple** Members Leave Algorithm. ...

SystemC: a modeling platform supporting **multiple** design abstractions

PR Panda - Proceedings of the 14th international symposium on ..., 2001 - portal.acm.org
... sc_clock clk ("clk", 10, SC_NS); The sensitive, sensitive pos, and sensitive neg **key**- words can
be used to specify synchronization of a process to a clock. ... The concept of delta cycles, where
multiple evaluate-**update** phases can occur at the same sim- ulation time, is supported. ...

A data base sublanguage founded on the relational calculus

EF Codd - Proceedings of the 1971 ACM SIGFIDET (now ..., 1971 - portal.acm.org

... HOLD \ I / **UPDATE** ... The sample data base which these examples exploit, consists of four relations as tabulated in Table 2. The primary **key** of each relation is underlined. ... The case of **multiple** quantifiers and their attachment to RANGE statements is dealt with in example 3.10. ...

Cited by 317

Optimality properties of **multiple-key** hashing functions

A Bolour - Journal of the ACM (JACM), 1979 - portal.acm.org

... many different types of queries using reversion techniques, one would require either many different inverted lists, with their associated storage and **update** costs, or a ... A detailed comparison of **multiple-key** hashing and inversion techniques appears m Rothnie and Lozano [18]. ...

Cited by 46 - Related articles - All 2 versions

System and method for efficient computer workstation screen updates

A Fyles, A Key, V Sethi - US Patent 5,491,780, 1996 - Google Patents

... COMPUTER WORKSTATION SCREEN UPDATES [75] Inventors: Anthony Fyles, Winchester; Andrew **Key**; Vincent Sethi ... 2 (note that OS/2 supports **multiple** bitmaps, known as device contexts, of which ... affected, so in this case a bounding rectangle for the **update** is calculated. ...

Cited by 18 - Related articles - All 4 versions

[PDF] The versakey framework: Versatile group **key** management

M Waldvogel, G Caronni, D Sun, N Weiler, B ... - IEEE Journal on ..., 1999 - Citeseer

... Operations Components Join Leave Single **Multiple** Participant **key** manager **update** keying material (4) a **update** keying material (3) **Key** manager of entity/- ies requesting operation request (1) **update** keying material (4) no comprehensibility of the keying material **update** (3) ...

Cited by 289 - Related articles - View as HTML - BL Direct - All 26 versions

A majority consensus approach to concurrency control for **multiple** copy databases

RH Thomas - ACM Transactions on Database Systems (TODS), 1979 - portal.acm.org

... **Key** Words and Phrases: distributed databases, distributed computation, distributed control, computer networks ... **update** control, This paper presents an algorithm for maintaining **multiple** copy databases ... initiated at a DBMP which had previously applied an **update** that changed ...

Cited by 922 - Related articles - All 17 versions

Key Management for Secure Multicast with Dynamic Controller

H Kurnio, R Safavi-Naini, W Susilo, H Wang - Lecture notes in computer ..., 2000 - Springer

... It is easy to see that α-KDP with α ≥ 2 can be constructed by concatenating of **multiple** KDPs. ... KDP. For simplicity, we assume that |B i | = I, for all i, and each session **key** SK is an element in F w q . To **update** a session **key** in the basic scheme, user U i applies ...

Cited by 9 - Related articles - BL Direct - All 5 versions

Database system with improved methods for **updating** records

S Agarwal, V Krishnaswamy - US Patent 5,842,196, 1998 - Google Patents

... Given a query involving an "unsafe" unique index (ie, query includes **update** to **key** field), for instance, the present invention provides a method whereby each data row is updated in direct mode. In conjunction with this, the corresponding index row is deleted in direct mode. ...

Cited by 18 - Related articles - All 2 versions

Optimal algorithms for the single and **multiple** vertex **updating** problems of a ...

DB Johnson, P Metaxas - Algorithmica, 1996 - Springer

... **Key** Words. ... We show how our solution for the (single) vertex **update** problem can be used to achieve a better solution for the **multiple** updates problem on a weaker ... T HEOREM 3. The **multiple** updates MST problem can be solved in parallel in time O(lg n lg k) using nk/(lg n lg k ...

Cited by 7 - Related articles - BL Direct - All 7 versions

[PDF] A survey of security issues in multicast communications
MJ Moyer, JR Rao, P Rohatgi - IEEE network, 1999 - comsoc.org
... a variation of tree-based **key** management that trades computation by group members for fewer
key update messages on a ... manages a binary tree of keys in which the root node stores the group
key and the ... In OFT, however, there are **multiple** keys associated with each node. ...
Cited by 206 - Related articles - View as HTML - BL Direct - All 7 versions

Language-level support for exploratory programming of distributed virtual ...
B MacIntyre, S Feiner - Proceedings of the 9th annual ACM ..., 1996 - portal.acm.org
... in Section 5. It provides language-level support for data replication and fast **update** propagation. ...
We depend on three **key** packages: Network Objects, Obliq, and Obliq-3D. ... putation mechanism
is based on Network Objects, allowing transparent support for **multiple** processes on ...
Cited by 66 - Related articles - All 22 versions

[PDF] On **updating** the analytic center after the addition of **multiple** cuts
S Ramaswamy, JE Mitchell - 1998 - Citeseer
... **Key** words: Cutting plane, analytic center, SelectiveOrthonormalization, weighted analytic
centers, linear programming, convex programming. ... Page 2. 1 Introduction In this paper, we
consider the problem of **updating** the analytic center when **multiple** ...
Cited by 14 - Related articles - View as HTML - All 3 versions

[PDF] ... wireless base-station receiver algorithms on **multiple** DSPs and FPGAs
S Rajagopal, BA Jones, JR Cavallaro - International Conference on ..., 2000 - Citeseer
... 14.4 Kbps and uses single-user algorithms at the base- station receiver that ignore **Multiple** Access
In ... performance improvements from 1.19X to 5.92X. We also determine the **key** bottlenecks in ... matrix
of size #§ j floats or $ '§ j $ " 7$ '§ for every esti- mation **update**, this constitutes ...
Cited by 17 - Related articles - View as HTML - All 17 versions

... system for storing file system state information in **multiple** sectors based on **update** ...
JG Letwin - US Patent 5,873,118, 1999 - Google Patents
... Page 19. 5,873,118 1 2 METHOD AND SYSTEM FOR STORING With current static file system
architectures, disk media from FILE SYSTEM STATE INFORMATION IN one system typically will
not function with another type of **MULTIPLE** SECTORS BASED ON **UPDATE** system. ...
Cited by 11 - Related articles - All 2 versions

[PDF] Scaling EM (expectation-maximization) clustering to large databases
PS Bradley, U Fayyad, C Reina - Microsoft Research Report, MSR-TR-98- ..., 1998 - Citeseer
... Data resolution is preserved to the extent possible based upon the size of the memory
buffer and the fit of the current clustering model to the data. We extend the framework
to **update multiple** clustering models simultaneously. ...
Cited by 115 - Related articles - View as HTML - All 13 versions

First-class views: a **key** to user-centered computing
A Rosenthal, E Sciore - ACM Sigmod Record, 1999 - portal.acm.org
First-Class Views: A **Key** to User-Centered Computing ... This opens opportunities for small
contributions (eg, how to pass **update** permissions through outerjoin), perhaps from novice ... View
queries that involve **multiple** operators require composing rules over the operators in an 34 ...
Cited by 11 - Related articles - BL Direct - All 28 versions

... a stable environment by egocentric **updating** and invariant representations
RF Wang - Spatial Cognition and Computation, 1999 - Springer
... disorientation. The coexistence of **multiple** mechanisms may increase the flexibility
and robustness of the system. **Key** words: egocentric **updating**, navigation,
recognition, reference frame, spatial repre- sentation One ...
Cited by 34 - Related articles - BL Direct - All 4 versions

CEM-a conceptual email manager

R Cole, G Stumme - Lecture notes in computer science, 2000 - Springer

... A many-valued context is roughly equivalent to a relation of a relational database with one field being a primary **key**. ... This **update** occurs regardless of the mode of operation. ... 4 The MIME extension to the email format allows an email document to have **multiple parts**. ...

Cited by 75 - Related articles - BL Direct - All 13 versions

Distributed group **key** management scheme for secure many-to-many ...

LR Dondeti, S Mukherjee, A Samal - US Patent 6,240,188, 2001 - Google Patents

... However, in the presence of **multiple** senders, it is desirable that the multicast group 50 remains operational as long as at least one sender ... Each member 22 monitors the members in its neighbor-of set and initiates ID **update** and **key-update** processes when a neigh- bor leaves. ...

Cited by 26 - Related articles - All 8 versions

Multiple authentications with a nonce-based protocol using generalized ...

A Kehne, JSH Langendorfer - ... Towards a new world in computer ..., 1992 - books.google.com

... 3 Nonce-based **multiple** authentica- tion Our authentication protocol is divided in two **parts** ... ticket contains all information necessary to check the validity of the session **key**, the server ... Depending on the **update** frequency of the time synchronization protocol in use, another strategy ...

Cited by 8 - Related articles - BL Direct - All 3 versions

[PDF] ... for interactive animation of **multiple** deformable human characters

R Boulic, T Capin, Z Huang, P Kalra, B ... - Computer Graphics ..., 1995 - Citeseer

... The static collision detector operates frame by frame in a quantum model of the world: at specific **key** times all object have discrete positions and orientations coming from ... integration of collision detection: self collision detection and **multiple** actor collision ... **update** state get state ...

Cited by 96 - Related articles - View as HTML - BL Direct - All 17 versions

Introduction to eurowordnet

P Vossen - Computers and the Humanities, 1998 - Springer

... **Key** words: multilingual lexical semantic database ... Another **update** of the ILI consists of globalizing other meaning distinctions present in WordNet1.5. In the case of ... Conjunction of relations is typical for meronymy: ie **multiple parts** that together make up a single whole (eg wings ...

Cited by 161 - Related articles - All 4 versions

[PDF] Common subexpression isolation in **multiple** query optimization

M Jarke - Query Processing in Database Systems, 1984 - Citeseer

... file systems, where records are retrieved one-at-a-time, a query or **update** is simply ... This problem arises even if the **key** set for each query can be enumerated (e .g ... procedure, introduced in [HALL761 for single query optimization, can be extended to **multiple** query optimization by ...

Cited by 84 - Related articles - View as HTML - All 11 versions

[PDF] Consistency among **parts** and aggregates: A computational model

N Tryfona, MJ Egenhofer - Transactions in GIS, 1997 - Citeseer

... Storage and **update** implementations in terms of materialized views of a geographic database ... A **key** to the successful adoption of multi-resolution geographic databases is consistency ... Section 5 shows how more complex configurations of objects with **multiple** disconnected **parts** ...

Cited by 38 - Related articles - BL Direct - All 4 versions

Collaborative computing: a multi-client multi-server environment

MC Hao, AH Karp, D Garfinkel - Proceedings of conference on ..., 1995 - portal.acm.org

... **multiple** users to manipulate **multiple** appli- cations directly and not just **update** data files. ... I 1] uses a global cursor for concurrent data entry and manipulation in **multiple** applications ... IBM and Wang's mechanisms require cursor position tracking and **key**- stroke interpretation while ...

Cited by 15 - Related articles - All 3 versions

... theoretic approach for design and analysis of rooted-tree based multicast key ...
R Poovendran, JS Baras - 1999 - lib.umd.edu

... encryption at the GC and allows the GC to **update** the SK under single member compromise.
In fact this approach seem to allow even **multiple** member deletioncrevocation. ... conversations.
Thus, under user collusion, this **key** scheme does not scale beyond two members. ...

Cited by 40 - Related articles - View as HTML - BL Direct - All 16 versions

A forward-secure digital signature scheme
M Bellare, SK Miner - Lecture Notes in Computer Science, 1999 - Springer

... The most widely considered solution to the problem of **key** exposure is dis- tribution of the **key**
across **multiple** servers via secret sharing [18,5]. There are ... **key** is generated at the start of period
j, by applying a **key update** algorithm to the **key** SK j−1 . (The latter is the base secret ...

Cited by 371 - Related articles - BL Direct - All 31 versions

[PDF] Exploring robustness in group key agreement
Y Amir, Y Kim, C Nita-Rotaru, J Schultz, J ... - INTERNATIONAL ..., 2001 - Citeseer

... A group controller is charged with initiating **key** up- dates following membership changes. 2 The
following operations trigger a **key update**: join: add a single new member to the group (han- dled
as a special case of merge). merge: add **multiple** members to the group. ...

Cited by 46 - Related articles - View as HTML - BL Direct - All 15 versions

Method and apparatus for secure downloading of operational information into a ...
S Mizikovsky, G Anderson, G Wahl, P Douma, ... - US Patent ..., 1996 - Google Patents

... Likewise, each Character or Character Field may be comprised of a **multiple** number of bits of ...
As previously noted, these Words can be transmitted in a consecutive order as **parts** of a ... other
Words having a different format from the proposed format for A-**Key update** information. ...

Cited by 13 - Related articles - All 2 versions

[PDF] Probabilistic data association methods for tracking complex visual objects
C Rasmussen, GD Hager - IEEE Transactions on Pattern Analysis and ..., 2001 - Citeseer

... 8 and sum up our contributions in Section 9. A table summarizing the **key** steps of each ... neighbor
[3], [26], or data closest to what is expected in order to **update** the state ... If, for example, the states
of the **multiple parts** become proximate, one target-originated measurement may be ...

Cited by 210 - Related articles - View as HTML - BL Direct - All 16 versions

A procedure-based dynamic software update
J Lyu, Y Kim, Y Kim, I Lee - Proceedings of the ..., 2001 - doi.ieeecomputersociety.org

... The paper addresses two **key** issues for procedure-based dynamic software **update**. ... This can
be done by first setting **multiple** watched areas, **updating multiple** old version procedures, and
then ... of a global variable "a" in part (5). In this case, we must correct both **parts** (4) and (5 ...

Cited by 13 - Related articles - All 8 versions

Credit-based flow control for ATM networks: credit update protocol, adaptive credit ...
HT Kung, T Blackwell, A Chapman - Proceedings of the conference ..., 1994 - portal.acm.org

... Note that credit cells are "idempotent" with respect to the sender in that **multiple** receipts of ... When
the sender receives the credit cell with value V. it will **update** the Credit_B dance ... 6.1.3. How
Adaptive Credit Allocation Works A **key** idea of the adaptive scheme described above is ...

Cited by 397 - Related articles - BL Direct - All 43 versions

Concurrently applying redo records to backup database in a log sequence using ...
C Mohan, RL Obermarck, RK Treiber - US Patent 5,170,480, 1992 - Google Patents

... Fourth International Workshop, March, 1985, propounds the parallel writing of log records to
multiple logs but ... and is applied to the data- base, thus "backing-out" the original **update** to the
re ... REDO records which the IMS AMI serializes represents the creation of new **key** values in ...

Cited by 58 - Related articles - All 2 versions

Separations of concerns in the Chiron-1 user interface development and ...

RN Taylor, GF Johnson - Proceedings of the INTERACT'93 and CHI ..., 1993 - portal.acm.org

... A **key** to software reuse is to structure systems so that they use modular components with small, well-defined ... q Support for **multiple** graphical and textual views, with coordinated **update**. **Multiple** coordinated views can be used either by a single user or by groups of users. ...

Cited by 38 - Related articles - All 6 versions

Concurrency and recovery for index trees with nodal updates using **multiple** atomic ...

D Lomet, B Salzberg - US Patent 5,717,921, 1998 - Google Patents

... If the subspace 20 even with **multiple** children in me same parent because none directly contained ... Reuter, A., Transaction Process- Hie address of the new node and the split **key** value. ... they are durable prior to the commitment of transactions that **Update**(U) latches support lock ...

Cited by 10 - Related articles - All 2 versions

Topology optimization of compliant mechanisms with **multiple** materials using a ...

L Yin, GK Ananthasuresh - Structural and Multidisciplinary Optimization, 2001 - Springer

... There are several **key** issues in this method. ... One of the principal advantages is the ability to include **multiple** materials without increasing the number of design variables in the ... We also present an iterative **update** scheme to solve this problem using the optimality criteria method. ...

Cited by 52 - Related articles - BL Direct - All 2 versions

[PDF] Accurate odometry and error modelling for a mobile robot

KS Chong, L Kleeman - International Conference on ..., 1997 - ecse.monash.edu.au

... the model illustrated earlier, the new model is consistent in a **multiple** path segments ... The computational load in incrementally **updating** the covariance matrix in small time steps, as ... 3 presents the novel odometry system, and states, with justification, the **key** assumptions being ...

Cited by 110 - Related articles - View as HTML - All 6 versions

Distributing a visible surface algorithm over **multiple** processors

H Fuchs - Proceedings of the 1977 annual conference, 1977 - portal.acm.org

... **Key** words and phrases: Visible surface algorithms, multi-processing, microprocessors, three-dimensional computer graphics ... that the new distributed algorithm can also perform such efficient **updating**, and in ... a number of memory units, usually some power of 2 **multiple** of the ...

Cited by 44 - Related articles - All 9 versions

[PDF] Modeling RED with idealized TCP sources

P Kuusela, P Lassila, J Virtamo, P Key - Proceedings of IFIP ATM & IP, 2001 - Citeseer

... P. Kuusela, P. Lassila, J. Virtamo and P. **Key** Networking Laboratory ... Moreover, the model can be extended to handle **multiple** classes and different round trip times. ... The acknowledgments arrive at the source with the delay R causing the **update** action to the ...

Cited by 44 - Related articles - View as HTML - All 13 versions

MULTIPLE-VALUED DYL PROGRAMMABLE LOGIC ARRAY AND ITS ...

X Yongxin, P Hailiang - CHINESE JOURNAL OF COMPUTERS, 1995 - en.cnki.com.cn

... It consists of four **parts**-input decoders,binary NOR array, binary or array and output ... an arbitrary p-valued n-variable function, the following size for a **multiple**-valued DYL ... 【**Key** Words】 : **Multiple**-valued logic programmable logic array VLSI Disjoint algebra complexity of logic ...

Cited by 1 - Cached

[CITATION] **Multiple** Bayes estimates of the reliability performance for cold standby ...

BCYMH Shangxu - JOURNAL OF ZHEJIANG UNIVERSITY (..., 1998 - en.cnki.com.cn

... 【**Key** Words】 : cold standby system reliability performance bayes estimate **multiple** bayes ... Han Ming (Ningbo Universtiy,Ningbo,315211);BAYESIAN ESTIMATE **MULTIPLE** BAYESIAN ESTIMATE ... Beijing,100072);The Optimization Deployment of Repairable **Parts** System Based ...

Cited by 1 - Cached

[PDF] Robust segmentation and representation of foreground **key**-regions in video …

JR Hidalgo, P Salembier - ICASSP IEEE INT CONF ACOUST SPEECH …, 2001 - Citeseer

… The **updating** equations of contours and texture image are illustrat- ed in equation 4. … on the basis of the appearance and texture images of the extracted **key**-regions … [6] H. Sawhney and S. Ayer, "Compact representations of videos through dominant and **multiple** motion estimation …

Cited by 11 - Related articles - View as HTML - BL Direct - All 13 versions

… sequence planning for products with defective **parts** in product recovery

A Gungor, SM Gupta - Computers & industrial engineering, 1998 - Elsevier

… Disassembly is considered a **key** step to retrieving the desired **parts** and or subassemblies … tp = C, B, R ; = H ; Step 3.1: dvH = 0 = H = 0 ; **update** DP; Step 3.2: dva = 0 and dpB = 0 = C, R ; and **update** DP; Step … [5] Taleb, K. and SM Gupta, "Disassembly of **multiple** product structures …

Cited by 50 - Related articles - BL Direct - All 11 versions

Method for efficient management of certificate revocation lists and **update** …

PC Van Oorschot, WS Ford, SW Hillier, J … - US Patent …, 1997 - Google Patents

… 6 and 7 represent **parts** of the embodiment of the <one 0±f* *»" ° f^^f . itsf … be viewed as a "fixed part" of the 10 information about a public **key**, and the … DETAILED DESCRIPTION OF PREFERRED a "variable part" which can be updated without **updating** EMBODIMENTS OF …

Cited by 17 - Related articles - All 2 versions

[PDF] Superviews: Virtual integration of **multiple** databases

A Motro - IEEE Transactions on Software Engineering, 1987 - cs.gmu.edu

… The model has two **parts**: a database model (with access operators), and an integration language. … MOTRO: SUPERVIEWS: VIRTUAL INTEGRATION OF **MULTIPLE** DATABASES … 3) Each class S E 9 has a type: type(S) = { TI T att s 1. 4) Each class S E 9 has a **key**, which is a …

Cited by 265 - Related articles - View as HTML - All 10 versions

Automatic verification of database transaction safety

T Sheard, D Stemple - ACM Transactions on Database Systems (…, 1989 - portal.acm.org

… 2.3.3 **Multiple** Inserts. Another common type of **update** is the insertion of several tuples of one relation into another relation. … I 331 inserted share some common components but differ on the **key** component(s). We model this type of **update** with our For each construct. …

Cited by 142 - Related articles - All 4 versions

… to Semantic Representation and Feature Extraction for **Multiple** View Model [J]

HSCCL Zhending, W Zhiqin - JOURNAL OF HUAZHONG …, 2000 - en.cnki.com.cn

… of Science and Technology, Harbin 150080, China; 2. Northeast Forestry University, Harbin 150040 China);Enhanced **Multiple**-View Modeling Based on … Institute, Zhenjiang Jiangsu 212003, China)   ;Research on the Approach of Integrating CAD/CAPP for **Key Parts** of Marine …

Cached

Secure satellite receive-only local area network with address filter

DM Dillon - US Patent 5,659,615, 1997 - Google Patents

… reference numbers will be used throughout the drawings to refer to the same or like **parts**. … unit The RSE 126 is indicating whether the address is an address of **multiple** 4J designed … that, should the security of the system be receivers or an individual address, **key update** bits 304 …

Cited by 6 - Related articles - All 6 versions

[PDF] Secure cookies on the Web

JS Park, R Sandhu - IEEE internet computing, 2000 - Citeseer

… shared among other servers, it is possible to **update** the secure cookies at **multiple** sites … To support more secure ser- vice, verification servers can share the secret **key** with other … The verification server can, if necessary, decrypt the cookies' encrypted values or **update** the cookies …

Cited by 97 - Related articles - View as HTML - BL Direct - All 15 versions

[PDF] **Key** management for large dynamic groups: One-way function trees and ...
D Balenson, D McGrew, A Sherman - 1999 - Citeseer
... First, the group manager broadcasts some information to the group members needed to apply
the OFT **key-updating** procedures. ... to group induction due to Sherman [She98] that amortizes
the relatively high cost of a pairwise **key** exchange over **multiple** entries into ...
Cited by 219 - Related articles - View as HTML - All 10 versions

Using C pk as a design tool for new system development
SG Shina, A Saigal - Quality Engineering, 2000 - informaworld.com
... X Inlranet messaging X X tion of **parts** or components for the design. In a typical design consisting
of **multiple parts**, each part's **key** characteristic must be characterized in terms of performance
distribution. Part performances can be obtained from their suppliers. ...
Cited by 8 - Related articles - BL Direct

Modelling grounding and discourse obligations using **update** rules
C Matheson, M Poesio, D Traum - Proceedings of the 1st North ..., 2000 - portal.acm.org
... The **key** tasks of a dialogue manager are to **update** the representation of dialogue on the ... 2In
TRINDI we are experimenting with **multiple** instanti- ations of three different theories of ... These
two functions are encapsulated in the UPDATE and SELECTION sub- modules of the DME ...
Cited by 111 - Related articles - All 5 versions

System and method for dynamically displaying entering, and **updating** data from a ...
R VanderDrift - US Patent 5,455,945, 1995 - Google Patents
... Maintain & execute sort **Update** display of DD actions result in more revisions ... to a Lead PRT or
other members of the current MRPF 124 125 Does PRT have **multiple** occurrences ... c START
Execute query and fetch resultant table For each PRT, group table by PRT's **key** field into ...
Cited by 45 - Related articles - All 2 versions

Approximating polyhedra with spheres for time-critical collision detection
PM Hubbard - ACM Transactions on Graphics (TOG), 1996 - portal.acm.org
... The **key** to time-critical collision detection is the method for automati- cally approximating an
object's surface. ... tions to predict collisions, employing a queuing scheme to efficiently **update** the
predictions. ... reports only one collision point even if **multiple parts** of the objects collide). ...
Cited by 346 - Related articles - BL Direct - All 11 versions

Chiron-1: a software architecture for user interface development, maintenance, and ...
RN Taylor, KA Nies, GA Bolcer, CA ... - ACM Transactions on ..., 1995 - portal.acm.org
... Reusable Software Artifacts. A **key** to software reuse is to structure ... Support for **multiple**
graphical and textual views, with coordinated **update**. **Multiple** coordinated views should
be available to either a single user or groups of users. ...
Cited by 42 - Related articles - BL Direct - All 5 versions

A self-organizing neural network approach for **multiple** traveling salesman and ...
A Modares, S Somhom, T ... - ... Transactions in Operational ..., 1999 - ingentaconnect.com
... The algorithm is examined for TSP and **Multiple** Traveling Salesman Problem (MTSP). ... The **key**
feature of the algorithm is the **update** of neighbor weights which maintain a relationship among
neighbor nodes. ... Thus, the modi®ed **update** function may be stated as follows: ...
Cited by 37 - Related articles - All 2 versions

Attribute certification: an enabling technology for delegation and role-based ...
J Linn, M Nyström - Proceedings of the fourth ACM workshop on ..., 1999 - portal.acm.org
... a ability to **update** attribute certificates to reflect frequently-changing authorizations without impact ...
Where **multiple** affiliations can be asserted, approaches differ on whether a principal's set ... be
constructed without reference to a particular principal, identity certificate, or public **key**. ...
Cited by 44 - Related articles - All 6 versions

On-the-fly program modification: Systems for dynamic **updating**
ME Segal, O Frieder - IEEE software, 1993 - doi.ieeecomputersociety.org
... In each case, **parts** of the program invoke a set of ser- vices or abstract-data ... One of Conic's **key**
design goals is to totally separate module programming from configuration management. ... In a
dynamic **update**, the Configura- tion Manager updates a task module 'Vf by removing the ...
Cited by 161 - Related articles - BL Direct - All 5 versions

[PDF] A scalable system for consistently caching dynamic web data
J Challenger, A Iyengar, P Dantzig - IEEE INFOCOM, 1999 - Citeseer
... Implementation at the 1998 Olympic Games 3.1 Prefetching Pages One of the **key** techniques
we ... 1998 Winter Olympic Games in Nagano, when data changed, we used Data **Update**
Propagation to ... would regenerate the page once and store the updated page in **multiple** caches ...
Cited by 258 - Related articles - View as HTML - BL Direct - All 18 versions

System for translation of source language data into **multiple** target language data ...
H Nagashima - US Patent 5,157,606, 1992 - Google Patents
... 5,157,606 SYSTEM FOR TRANSLATION OF SOURCE LANGUAGE DATA INTO **MULTIPLE**
TARGET LANGUAGE DATA INCLUDING MEANS TO PREVENT PREMATURE ... of a new subject
for conversion is added to the keyword module, it is necessary to **update** 65 data module ...
Cited by 17 - Related articles - All 2 versions

A world wide web-based grazing simulation model (GRASIM)
RH Mohtar, T Zhai, X Chen - Computers and electronics in agriculture, 2000 - Elsevier
... coordinate input and output files for that user. The CGI program schedules
simultaneous simulation sessions from **multiple** users by locking/unlocking **key**
files and **updating** a log file. As described in Section 2, there are two ...
Cited by 16 - Related articles - All 5 versions

Vision and navigation for the Carnegie-Mellon Navlab
C Thorpe, M Hebert, T Kanade, S ... - Annual review of computer ..., 1987 - Annual Reviews
... A method that tries to fit more parameters, on the other hand, may interpret **parts** of the road
perfectly, but could find ... Figure 4 Color vision for road following, including color classification,
Hough transform for road region detection, and **updating mUltiple** road and nonroad models ...
Cited by 413 - Related articles - All 14 versions

Online evaluation in WWW-based courseware
LC Tinoco, ND Barnette, EA Fox - ACM SIGCSE Bulletin, 1997 - portal.acm.org
... A **key** new contribution made in 1996 is our automated testing system, which will allow ... A 104
page self-study tutorial on this "hot" topic was prepared to **update** materials used ... gain from better
organization of the questions into an adaptive framework with **multiple parts** and much ...
Cited by 43 - Related articles - BL Direct - All 11 versions

On resolving schematic heterogeneity in multidatabase systems
W Kim, I Choi, S Gala, M Scheevel - Distributed and Parallel Databases, 1993 - Springer
... The use of **multiple** queries in the query component of the definition of a virtual class is called
a ... defined entity (class) C, and another attribute A2 whose domain is a primitive type, project a
key or unique ... This conflict may manifest itself during an **update** against the MDB schema. ...
Cited by 265 - Related articles - All 5 versions

Multiprocessor validation of the PentiumPro microprocessor
D Marr, S Thakkar, R Zucker - Proceedings of ..., 1996 - doi.ieeecomputersociety.org
... At the system level memory and I/O throughput, and latency are **key** to MP scalability ... However,
since MP functionality spanned **multiple parts** of the chip, it was decided that it was ... Unfortunately
there are subtleties of MP execution with regard to **updating** mem- ory that preclude ...
Cited by 13 - Related articles - BL Direct - All 6 versions

The 007 benchmark

MJ Carey, DJ DeWitt, JF Naughton - Proceedings of the 1993 ACM ..., 1993 - portal.acm.org
... large. Table 1 summarizes the parameters of the 007 Benchmark database. 3.1 The Design
Library A **key** component of the 007 Benchmark database is a set of composite **parts**. Each
composite part corre- sponds to a design primitive such as a register cell in ...
Cited by 207 - Related articles - BL Direct - All 3 versions

Providing integrated support for **multiple** development notations

JC Grundy, JR Venable - Lecture Notes in Computer Science, 1995 - Springer
... If a relationship implemented by foreign **key**(s) is deleted, an indication should ... components,
forwarding the description to related components, or ignoring the component **update**. ... management
facilities are supported by this technique, including flexible **multiple** view consistency ...
Cited by 28 - Related articles - BL Direct - All 15 versions

System and method for providing information to applets in a virtual machine

PC Banthia - US Patent 5,922,044, 1999 - Google Patents
... This results in continually **updating multiple** display applets while maintaining only one server
connection. ... said controlling applet to a plurality of display applets; and **updating** and displaying ...
controlling applet; code that compares said identification string to said **key**- word; code ...
Cited by 6 - Related articles - All 4 versions

Distributed data bases: a summary of research

ME Deppe, JP Fry - Computer Networks (1976), 1976 - deepblue.lib.umich.edu
... The **key** feature of their approach to maintaining consistenc} and synchronization of the data
base is to ... to the constraint that all files are operational at the moment of **update**), it also ... nection
protocol (for selecting a host for services) and a mechanism whereby **multiple** file images ...
Cited by 24 - Related articles - View as HTML

Rolling **key** resynchronization in cellular verification and validation system

KA Raith - US Patent 5,241,598, 1993 - Google Patents
... The present invention provides a ted to the mobile station a signal indicative of a change-
mechanism for resetting and resynchronizing the B-**key** able **key update** If the network
response signal gener- al the network operator's option. ...
Cited by 41 - Related articles - All 2 versions

[PDF] Scale in distributed systems

BC Neuman - Readings in Distributed Computing Systems, 1994 - Citeseer
... The security mechanisms employed in dierent **parts** of a system will have dierent strengths. ...
Authentication based on public **key** cryptography does, however, make a sig- nicant dierence
when ... to named collections of individu- als without the need to **update multiple** ACLs each ...
Cited by 112 - Related articles - View as HTML - All 9 versions

PN Code Acquisition Performance in the Presence of **Multiple** Access Interfence in ...

L Biqi, Z Ping, H Jiandong - JOURNAL OF BEIJING UNIVERSITY ..., 1995 - en.cnki.com.cn
... 【**Key** Words】 : cede division **multiple** access (CDMA) pseudurandom cedes/**multiple**
accessinterference 【CateGory ... 3, GONG Ye, LU·· Wen\|yan (State **Key** Lab. ... 8, Zhao Yong Zhao
Huchen;COMPUTER RANDOM SIMULATION OF LIFETIME OF **PARTS**[J];HEBEI METALLURGY ...
Cached

Volcano-an extensible and parallel query evaluation system

G Graefe - IEEE Transactions on Knowledge and Data ..., 1994 - doi.ieeecomputersociety.org
... The disks were accessible only locally, and **update** and selection operators used only these eight
pro- cessors. ... hint facility is an excellent ex- ample of Volcano's design principle to implement
mech- anisms to support **multiple** policies ... A leaf entry consists of a **key** and information ...
Cited by 152 - Related articles - BL Direct - All 17 versions

[PDF] Resource allocation for frequency-selective **multiple** access channels with ...
T Sartenaer, L Vandendorpe - Revue HF Tijdschrift (Belgian Journal ..., 2001 - tele.ucl.ac.be
... Abstract—This paper addresses the problem of resource allo- cation in a general **multiple** access
scenario. ... An adapted allocation algorithm is given, that implies the **update** of the joint detector
performance for each iteration. A fast **update** algorithm is also proposed. ...
Cited by 2 - Related articles - View as HTML - BL Direct - All 3 versions

Method for lock management, page coherency, and asynchronous writing of ...
KA Shoens, RK Treiber - US Patent 4,965,719, 1990 - Google Patents
... The **key** aspect of implementing asynchronous lock requests is that the lock request processing
must ... Since lock histories contain time so steps that are compared among **multiple** processors,
some sort of ... Consider the case of a lock held in **UPDATE** mode that is down- graded to ...
Cited by 60 - Related articles - All 2 versions

A perceptually based adaptive sampling algorithm
MR Bolin, GW Meyer - Proceedings of the 25th annual conference ..., 1998 - portal.acm.org
... is created, detect threshold visual differences and direct the algorithm to work on those **parts**
of the ... The **key** to developing this perceptually based adaptive sam- pling algorithm comes from
two primary insights. ... One solution to this problem is to **update multiple** paths up the tree. ...
Cited by 142 - Related articles - All 10 versions

View indexing in relational databases
N Roussopoulos - ACM Transactions on Database Systems (TODS ..., 1982 - portal.acm.org
... base Management]: Systems-query processing General Terms: Algorithms, Performance
Additional **Key** Words and Phrases: Index ... CPU time, but it certainly is much less than that of
updating multiple copies of ... for a view if no index set is maintained because large **parts** of the ...
Cited by 133 - Related articles - All 10 versions

P-Grid: A self-organizing access structure for P2P information systems
K Aberer - Lecture Notes in Computer Science, 2001 - Springer
... At that stage, when two peers meet initially, they decide to split the search space into two **parts** and
take over responsibility for one half each. ... Randomly performing depth first searches for peers
responsible for the **key multiple** times and propagating the **update** to them ...
Cited by 515 - Related articles - BL Direct - All 20 versions

Prediction on **Multiple** Deep-drawing Limits of Cylindrical Cup
X Zhiqing - China Mechanical Engineering, 2001 - en.cnki.com.cn
... limiting deep-drawing of both first forming and succesively forming.**Multiple** limiting drawing ... 【**Key**
Words】 : deep-drawing succeeding deep-drawing deep-drawing property forming limit ... of Computer
Aided Process Planning System for Rolling Stock Punching **Parts**[J];JOURNAL ...
Cited by 1 - Cached

Update on digital image management and PACS
O Ratib, Y Ligier, D Bandon, D Valentino - Abdominal imaging, 2000 - Springer
... Significant effort has been put into developing viewing software to provide workstations with **key**
features that ... O. Ratib et al.: **Update** on digital image management and PACS ... Exten- sions of the
DICOM standard were defined and adopted in **multiple** areas outside the radiology ...
Cited by 31 - Related articles - BL Direct - All 3 versions

[PDF] Searching very large routing tables in wide embedded memory
J Van Lunteren - GLOBECOM-NEW YORK-, 2001 - Citeseer
... by a so-called branch function that takes the marked segment of the search **key** as operand ... ing,
the offset is determined by comparing the address segment against one or **multiple** test values ...
routing table, improving storage efficiency at the cost of a more complex **update** function ...
Cited by 40 - Related articles - View as HTML - BL Direct - All 7 versions

Scheduling operations on parallel machine tools

BA Norman, JC Bean - IIE Transactions, 2000 - Springer

... However, if there are **multiple parts** in the order then when one part moves to the second PML, a new part is ... A **key** factor in the priority list algorithm is the deter- mination of feasibility of operation placement given the ... next mode h nge goÃ , **update** t and u to re- flect scheduling oÃ ...

Cited by 12 - Related articles - BL Direct - All 5 versions

Shared books: collaborative publication management for an office information ...

BT Lewis, JD Hodges - Proceedings of the ACM SIGOIS and ..., 1988 - portal.acm.org

... or on the network. Using links allows **multiple** users to ... The two **key** differences between a Shared Book and a TPS Book are: (1) a Shared Book provides explicit and automatic support for ... page5 rhtef 4 Needs **updating** 4 9 13 4 7 4 Y 6 4 6 b PI>blic Interface Dot done ...

Cited by 28 - Related articles - All 4 versions

[PDF] **Update** of roads in GIS from aerial imagery: Verification and multi-resolution ...

A Baumgartner, C Steger, C Wiedemann, H ... - ... of Photogrammetry and ..., 1996 - Citeseer

... **KEY** WORDS: Image Understanding, GIS-**Updating**, Road Extraction ... This paper proposes a new approach for the automatic **update** of roads from aerial imagery. ... This operator yields good detection quality, accurate location, few **multiple** responses, and isotropic response. ...

Cited by 36 - Related articles - View as HTML - BL Direct - All 9 versions

[PDF] Practical Experiences with ATM Encryption

GT Byrd, NC Raleigh, N Hillery, NC Morrisville, ... - Proceedings of the ..., 2001 - Citeseer

... sets the jump number for that connection to the value contained in the cell, and the LFSR and other **parts** of the ... **update**, loss of an SKE cell (which carries the new **key** value) is unlikely to cause data corruption, because **multiple** SKE cells are sent for each **key update** event. ...

Cited by 1 - Related articles - View as HTML - All 12 versions

Spelling correction using context

MA Elmi, M Evens - ... of the 17th international conference on ..., 1998 - portal.acm.org
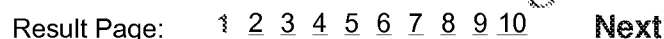
... since the sys- tem has only a few seconds to parse the student input, **update** the student ... In character sub- stitution if the erroneous character is a neighboring **key** of the character on the ... is built on the idea that the parser is capable of handling a word with **multiple parts** of speech ...

Cited by 32 - Related articles - BL Direct - All 11 versions

Goooooooooogle ▶

Result Page: 1 2 3 4 5 6 7 8 9 10 **Next**

| key update multiple parts | Search |

Google scholar registration key mobile station broadcast [Search] Advanced Scholar Search
Scholar Preferences

◉ Search only in Engineering, Computer Science, and Mathematics.

○ Search in all subject areas.

Scholar Articles and patents   - 2001   include citations   Results **1 - 100** of abc

Method for registering **mobile station** in **mobile** communication system
Y Fukumine, T Utano, N Umeda, S Onoe... - US Patent 5,212,822, 1993 - Google Patents
... AREA A (**REGISTRATION** CODE 5 LA) C AREA BOUNDARY LOCATION **REGISTRATION** AREA
B (**REGISTRATION** CODE i LB ... and, in particular, relates to such a method in which the location
of a **mobile station** is registered based upon **broadcast** information from a ...
Cited by 22 - Related articles - All 2 versions

Location **registration** system in **mobile** communication
S Onoe, N Umeda, H Yamaguti, S Yasuda... - US Patent 5,361,396, 1994 - Google Patents
... When a **mobile station** moves beyond the border of location **registration** areas, the location
updating ... In that case, as the **mobile** stations are classified into a plurality of groups, the ... CODE
FOR GROUP 2 L2 LOCATION CODE FOR GROUP 3 L3 LOCATION CODE FOR GROUP 4 ...
Cited by 11 - Related articles - All 4 versions

[PDF] Location management strategies increasing privacy in **mobile** ...
D Kesdogan, H Federrath, A Jerichow, A ... - 12th International ..., 1996 - Citeseer
... If necessary (see section Location **Registration**) VLR* old and VLR* new notify the changes
to HLR*. 3 To enable finding the relevant HLR parts of the IMSI, remain unchanged in IMSI',
ie **Mobile** Country Code and **mobile** network code. Page 8. ...
Cited by 30 - Related articles - View as HTML - All 20 versions

Dynamic user **registration** method in a **mobile** communications network
D Bantz, F Bauchot, ED Bello, S Kutten, H ... - US Patent ..., 1996 - Google Patents
... DELIMITER LENGTH 820 830 840 MAC@ **MOBILE STATION** MAC ADDRESS FAILURE
RETURN CODE 862 864 900 Figure 8 PACKET **REG**@ CELLid CONTROL DATA
INFO. CHECK END DELIMITEF FIELD FIELD DATA SEQU. ...
Cited by 22 - Related articles - All 4 versions

Autonomous **registration** overload control for cellular **mobile** radio systems
P Cosentino - US Patent 5,097,499, 1992 - Google Patents
... of the overhead messages If a **mobile** radiotelephone begins to lose reception of 50 ^ information
mvolved m autonomous **registration** of its ... If the new iden- FIG 4 is a block diag'ram of parts of
a control tem tification code signal indicates that the **mobile** radiotele- used ...
Cited by 26 - Related articles - All 5 versions

[PDF] Overview of the GSM system and protocol architecture
M Rahnema - IEEE Communications Magazine, 1993 - tfe.umu.se
... consisting of the home loca- tion register (HLR), and the visiting location **reg**- ister (VLR ... interPLMN
routing, global titles (GT) derived, for instance, from the **mobile** country code (MCC) and ... The VLR
then initiates the paging procedure and the MSC pages the **mobile station** with a ...
Cited by 404 - Related articles - View as HTML - BL Direct - All 25 versions

[PDF] An authentication and security protocol for **mobile** computing
Y Zheng - IFIP World Conference on Mobile Communications, 1996 - Citeseer
... (2) to propose a new authentication and **key** distribution protocol that utilizes a **broadcast** channel

in a **mobile** network. A particularly interesting feature of the new proposal is that it allows the authentication of a base **station** by a **mobile** user to be conducted \at the background **...**
Cited by 35 - Related articles - View as HTML - All 3 versions

MIXes in **mobile** communication systems: Location management with privacy
H Federrath, A Jerichow, A Pfitzmann - Lecture Notes in Computer ..., 1996 - Springer
... 8: Location **registration** with 3-staged pseudonymous location management without MIXes **...** fixed **station** for location management without recordable moving tracks of **mobile** subscribers. **...** of the procedures is based on the security of asymmetric (public **key**) cryptography, whereas **...**
Cited by 55 - Related articles - BL Direct - All 23 versions

Secure **mobile** radio telephony
FJ LoPinto - US Patent 4,549,308, 1985 - Google Patents
... 4 ; 389) L_L L "QI" **REG** 340 350- "Q2"**REG** 365 i l 370- "Q3"**REG** 380- ROTATE 386 385 1 1 **...** ie, after the initial acquisition sequence, the base **station** accesses an encryption table to look-up a nonbroadcast code (NBC) corresponding 60 to the **mobile** units "listed **...**
Cited by 23 - Related articles - All 4 versions

Location **registration** and paging procedure for **mobile** communication
M Taketsugu - US Patent 5,305,466, 1994 - Google Patents
... arrives, radio base stations situated in the location area where the **mobile station** has registered the location call the **mobile station** by **broadcasting**. **...** The way to divide the entire service area into a plu- rality of location **registration** areas may generally be classified into two **...**
Cited by 18 - Related articles - All 2 versions

Personal **mobile** communications system having central **station** for paging **mobile** ...
K Kage - US Patent 5,463,672, 1995 - Google Patents
... According to a first specific aspect of this invention, each base **station** receives and stores a position **registration** request from the **mobile station**, the position **registration** request including the **mobile** user's address code. The alert signal is **broadcast** from the base **station** when a **...**
Cited by 12 - Related articles - All 4 versions

[PDF] Overview of the global system for **mobile** communications
J Scourias - University of Waterloo, 1997 - Citeseer
... functionality needed to handle a **mobile** subscriber, such as **registration**, authentication, location **...** each **mobile station** is identied by its International **Mobile** Equipment Identity (IMEI **...** Center (AuC)is a protected databasethat storesa copy ofthe secret **key** stored in each subscriber's **...**
Cited by 150 - Related articles - View as HTML - All 32 versions

[PDF] Techniques for privacy and authentication in personal communication ...
C Process - IEEE Personal Communications, 1995 - faculty.kfupm.edu.sa
... User Confidentiality in Secret **Key** Systems ßoth secret **key** methods provide a means for user **...** However, the **registration** and/or call setup process must include an identification of the **...** have dealt with this problem by the practice of using "temporary **mobile station** identities" (tmsi). **...**
Cited by 81 - Related articles - All 5 versions

[PDF] Security in public **mobile** communication networks
H Federrath, A Jerichow, D Kesdogan, A ... - WISSENSCHAFTLICHE ..., 1995 - Citeseer
... as limited bandwidth on the radio interface, the ability of locating radio waves, **registration** of location **...** so DS/SS signals are not detectable and not locatable if the PN-code is secret. **...** to set up an incoming call from the public switched telephone network to a **mobile** subscriber, the **...**
Cited by 29 - Related articles - View as HTML - BL Direct - All 16 versions

Navigation assistance for call handling in **mobile** telephone systems
PW Dent - US Patent 5,404,376, 1995 - Google Patents

... locked to BI, then it is assumed that the **mobile station** and code for maintaining ... navigation program information on received signal strengths and tunings to assumes the **mobile** is within ... The base **station** radius and proceeds to use **broadcast** signal strength control processor 3 ...

Cited by 17 - Related articles - All 8 versions

Cellular telephony authentication arrangement

JA Reeds III, PA Treventi, IH Yu - US Patent 5,204,902, 1993 - Google Patents

... This "**registration**" protocol is depicted in FIG. ... it is desir- able to alter the SSD field, communication is effectively between the home CGSA processor and the **mobile** unit; and ... That is because creation of a new SSD field requires an access to the secret A-**key**, and access to the A ...

Cited by 25 - Related articles - All 3 versions

Service provision authentication protocol

JA Reeds III, PA Treventi - US Patent 5,153,919, 1992 - Google Patents

... 6 shows the elements that are concatenated and hashed to create the **registration** sequence when the ... 50 With the MINI and the MIN2 designations and the A-**key** installed, the customer's unit ... field generation directive, through the base **station** of the cell where the **mobile** unit is ...

Cited by 28 - Related articles - All 5 versions

... having mobile stations establish a communication link through the base station ...

K Jarett, RE Williams, MA Raffel, R Nelson, IA ... - US Patent ..., 1999 - Google Patents

... f28 REMOVE **MOBILE** WITH LONGEST INACTIVITY TIME 1 ^t& SEND NEGATIVE TEST **REG**. RESPONSE -f2ff ADD **MOBILE STATION** TO **REGISTRATION** LIST I Page 13. US Patent 5,911,120 Jun. 8,1999 Sheet 11 of 23 SEND POSITIVE TEST **REG**. ...

Cited by 15 - Related articles - All 2 versions

[PDF] Broadcast-efficient protocols for mobile radio networks

K Nakano, S Olariu, JL Schwing - IEEE Transactions on Parallel and ..., 1999 - scilib.kiev.ua

... they are granted **broadcast** access to the channel [13]. In this work, we are interested in single-hop MRN's, where every **station** can receive the transmission of any other **station** in the network. Single-hop MRN's are **key** ingredients in handling routing in multihop **mobile** radio ...

Cited by 34 - Related articles - View as HTML - BL Direct - All 9 versions

Method of establishing inter base-station synchronization and mobile radio ...

K Matsuno - US Patent 5,613,211, 1997 - Google Patents

... PROPAGATION DELAY TIME OUT OF MEMORY TRANSM1TTI TATION IS **KEY STATION** EXECUTE DELAY ... NIZATION USING PROPAGATION DELAY TIME OWN **STATION** IS EY **STATION** SET SYNCHRONIZATION ... Sheet 3 of 8 ro CD u. CD- [X **MOBILE STATION** Lx> •sT MS ...

Cited by 18 - Related articles - All 5 versions

[PDF] Comparison of multicarrier DS-CDMA broadcast systems in a multipath ...

D Lee, LB Milstein - IEEE Transactions on Communications, 1999 - comsoc.org

... I. INTRODUCTION MULTICARRIER direct-sequence code-division multiple-access (DS-CDMA) systems can be ... bandwidth system employed in the forward link (base-to-**mobile** link) of a ... SYSTEM MODEL A base **station** transmitter using a multicarrier DS-CDMA system is shown ...

Cited by 47 - Related articles - View as HTML - BL Direct - All 4 versions

Operation and administration of mobile station user groups in wireless ...

J Diachina - US Patent 5,835,860, 1998 - Google Patents

... **mobile** stations request participation in said user group by transmitting said user group identification code to said system during **registration** with said ... the steps of: establishing a user group identification which is distin- guishable from **mobile station** identifications assigned ...

Cited by 9 - Related articles - All 2 versions

Mobile communication system and a mobile station paging method

M Yahagi - US Patent 5,613,199, 1997 - Google Patents
... The sublocation information is searched by an index **key** of the calculated group number for a
mobile station to be paged, and if at least one **mobile station** is found in the corresponding group
number, the **mobile station** paging signal is sent to this base **station**. ...
Cited by 3 - Related articles - All 2 versions

Paging system with **registration** mode
GB Gaskill - US Patent 5,065,423, 1991 - Google Patents
... 1990 Gaskill et al 370/94.1 OTHER PUBLICATIONS Motorola "Dyne Tac 6000X" Universal **Mobile**
Tele- phone ... in modes 1 or 2. If the pager does not find a **station** which is ... to said inoperative periods
of normal paging operation, and to obtain a **registration** code previously stored ...
Cited by 17 - Related articles - All 2 versions

Arrangement for obtaining authentication **key** parameters in a cellular **mobile** ...
CT Chang, CC Lee - US Patent 5,329,573, 1994 - Google Patents
... [54] ARRANGEMENT FOR OBTAINING AUTHENTICATION **KEY** PARAMETERS IN A ... GSM
03.12-version 3.1.4-"Location **Registration** Pro- cedures", Jan. ... 114' Abis- BASE **STATION** SYSTEM
BASE TRANSCEIVER **STATION** Urn- Sm I r120 **MOBILE STATION** r122 **MOBILE** ...
Cited by 19 - Related articles - All 2 versions

... to a transponder monitored by a base **station** having an associated ID **code**
MB Greenberg, DE Ely - US Patent 4,918,425, 1990 - Google Patents
... The 40 **mobile** unit may also sound an alarm to alert the super- vised person that he is straying ...
panic but- ton 14, a removal detector 15, a moisture detector 16 and a voice code detector 17 ...
3 shows the base **station** 35 transceiver 20 as comprising a controller, also in the form of ...
Cited by 32 - Related articles - All 2 versions

Method of authentication with improved security for secrecy of authentication **key**
S Suzuki, T Nohara... - US Patent 5,377,267, 1994 - Google Patents
... 20, the second network 20 generates the tentative au- thentication **key** [K12] for this **mobile**
subscriber 30, and transmits this generated tentative authentication **key** [K12] along with the **mobile**
station identifier [ID] con- tained in the received location **registration** request to ...
Cited by 14 - Related articles - All 4 versions

Method and system for supporting PACS using a GSM **mobile** switching center
LF Chang, E Lipper, PS Lukander, AR Noerpel ... - US Patent ..., 2000 - Google Patents
... and providing the PACS radio port controller units with pro- tocols for authentication and
registration of a ... RP 3 and RPCU 4. Together, the BTS 5 and BSC 6 form a base **station** system
(BSS ... The various BSSs of a GSM network are connected to a **mobile** switching center (MSC) ...
Cited by 9 - Related articles - All 6 versions

Telephone **registration** and cancellation control in a wide area cordless telephone ...
K Shitara, A Sasaki, Y Murata... - US Patent 4,833,702, 1989 - Google Patents
... The switching center keeps a record of each telephone system of the present invention; **mobile**
subscriber **station** ... said telephones having means for receiving a pre-**registration** polling signal
and transmitting a pre-**registration** response signal if a unique code contained in ...
Cited by 39 - Related articles - All 4 versions

CDMA **mobile station** wireless transmission power management with adaptive ...
P Agrawal, JC Chen, S Kishore, KM ... - US Patent ..., 2000 - Google Patents
... data sub-frame portion. The base **station** further defines a down- link **broadcast**
subframe portion of the code division mul- tiple access frame for transmitting the
schedule to the **mobile** stations. The base **station** further defines ...
Cited by 12 - Related articles - All 2 versions

Method for system **registration** and cell reselection
AK Raith, J Diachina, RC Henry, S Prokup, L ... - US Patent ..., 1998 - Google Patents
... 5,768.267 1 2 METHOD FOR SYSTEM **REGISTRATION** frame's six slots. ... 10 each **mobile station**
transmits (and receives) only during its access (TDMA), code divisional multiple ... The **mobile station**
120 receives the information **broadcast** on a control channel at its voice and ...
Cited by 11 - Related articles - All 4 versions

Broadcast-initiated bipartite frame multi-access protocol
DF Bantz, RT Cato, C Huang - US Patent 5,123,029, 1992 - Google Patents
... load is light and increases channel use efficiency when In indoor digital data radio systems,
a **key** problem is 60 traffic load is intense. ... Radio conditions may be such that a particular
mobile station does not ' hear the **broadcast** message Xj. ...
Cited by 33 - Related articles - All 5 versions

Automatic generation of private authentication **key** for wireless communication ...
S Mizikovsky, G Anderson, P Doums, M ... - US Patent ..., 1996 - Google Patents
... In accordance with another embodiment of the present invention, the private authentication **key**
is generated in a **mobile station** which has a unique electronic serial number ... A random challenge
number is received by the **mobile station** on a **broadcast** forward control channel ...
Cited by 14 - Related articles - All 4 versions

Load based priority for the **mobile** subscriber
R Bhatia, G Borg - US Patent 6,112,101, 2000 - Google Patents
... values to determine a current one of said priority codes associated with a select one of said traffic
load threshold values having a 5 value immediately above said current traffic load value and
broadcast said current Priority code in said cell; and a **mobile station** in wireless ...
Cited by 6 - Related articles - All 4 versions

Method and apparatus for **mobile station** location within a communication system
KA Stewart, A Ghosh - US Patent 6,009,091, 1999 - Google Patents
... SYSTEM TO **BROADCAST** A POWER-UP FUNCTION 1020 **MOBILE STATION** INCREASES
THE AMPLITUDE OF THE DEDICATED PHYSICAL LOCATION CHANNEL 1025 CONTINUOUSLY
BROADCAST A CODE SEQUENCE ASSIGNED TO **MOBILE STATION** AS PART OF ...
Cited by 8 - Related articles - All 6 versions

Speech and control message encrypton in cellular radio
JA Reeds III, PA Treventi - US Patent 5,172,414, 1992 - Google Patents
... 6 shows the elements that are concatenated and hashed to create the **registration** sequence
when the ... With the MINi and the MIN2 designations and the A-**key** installed, the customer's unit
is ... field generation directive, through the base **station** of the cell where the **mobile** unit is ...
Cited by 11 - Related articles - All 4 versions

Mobile station apparatus used in CDMA cellular radio system and spread **code** ...
K Nakamura, A Obayashi - US Patent 5,920,554, 1999 - Google Patents
... In such a system, however, when PN code synchroniza- tion is to be established by using the
above conventional PN code synchronization scheme, a given **mobile station** appa- ratus may
continuously capture only offsets assigned to the networks of undesired carriers ...
Cited by 4 - Related articles - All 2 versions

Channel assigning method in a **mobile** communication system
M Toshiyuki, Y Shuji, O Seizo... - US Patent 5,093,924, 1992 - Google Patents
... The radio channel and measures an interference wave recep- ' **mobile station** constantly maintains
stand-by mode ... Embodiments using **broadcasting** information m°c , u *• r t. • • ., u 20 will be
described ... s of the operation of a mo- fee] & fease ^.^ broadcasts a frequency code of a ...
Cited by 22 - Related articles - All 2 versions

Intercepting mobile communications: The insecurity of 802.11

N Borisov, I Goldberg, D Wagner - ... conference on Mobile ..., 2001 - portal.acm.org

... One access point we tested would transmit **broadcast** pack- ets in both encrypted and unencrypted form, when the option to control network access was disabled. ... The standard also allows for an array that associates a unique **key** with each **mobile station**; however, this ...

Cited by 360 - Related articles - All 185 versions

... access control scheme for data transmission on code division multiple access (...

A Jalali, W Krzymien, P Mermelstein - US Patent 5,828,662, 1998 - Google Patents

... An Overview of the Application of Code Division Multiple Access (CDMA) to Digital Cellular Systems and ... each **mobile** terminal an individual time slot and by not requiring each **mobile** terminal to ... This results in a reduction in the number of receivers on each base **station** and a ...

Cited by 9 - Related articles - All 6 versions

Integrated radio satellite response system and method

G Noreen, TR Harper - US Patent 5,303,393, 1994 - Google Patents

... These services include paging (both alphanumeric and voice), two-way voice and data communications, **broadcast** data, a low-cost navigation service and a precision navigation capability. ... 1 is a radio satellite network diagram; FIG. 2 is a block diagram of a **mobile station**; ...

Cited by 41 - Related articles - All 2 versions

Mobile radio transmission system

GR Selby - US Patent 4,876,738, 1989 - Google Patents

... locate the relevant mo- M is arranged to delete from its service area **registration** bile **station**. ... Thus, if a **mobile station** M tunes its radio receiver to the control channel corresponding 55 to a ... with which it is within communica- tions range it will receive repeatedly a code indicative of ...

Cited by 47 - Related articles - All 2 versions

Mobile packet communication system and a method of mobile packet ...

E Kito, T Toyoda - US Patent 5,548,586, 1996 - Google Patents

... The **mobile station** uses the allocated TCH for its communication to the other party. ... The BCCH is used for **broadcasting** a location code signal for location **registration**, number of control channels for allocating a control channel configuration. ...

Cited by 9 - Related articles - All 2 versions

Radio having memory means for storing radio user validation code

HE Simpson, PES Rasmussen - US Patent 5,404,580, 1995 - Google Patents

... of a **broadcasting** channel checks the validation code and sends a signal back to (PCTH) to which the **mobile** locks, eg ... code from the memory 132 via the microprocessor on the card (not shown) and sends the validation code to the nearest base **station** for **registration**. ...

Cited by 10 - Related articles - All 2 versions

Cordless cellular system base station

MA Raffel, MD Bamburak, DR Glass, K Jarett, ... - US Patent ..., 1997 - Google Patents

... 7, 1997 Sheet 13 of 23 -t68 COMPLETE AUTOMATIC CCBS **REGISTRATION** QUIT AUTOMATIC CCBS **REGISTRATION** START **MOBILE STATION** IN CCBS LIST !60 ACCEPT **REGISTRATION** ATTEMPT IS **MOBILE STATION** DORMANT 7 /72 MARK **MOBILE** AS STANDBY I ...

Cited by 33 - Related articles - All 2 versions

The need for decentralization and privacy in mobile communications networks

F Stoll - Computers & Security, 1995 - Elsevier

... Authentication is mandatory for a **mobile station**: at each **registration** or following location update; at each call setup attempt; before performing some supplementary servi ces; and ... This element then ciphers the call request with the public **key** of the **mobile station** and initiates ...

Cited by 10 - Related articles - All 3 versions

Code division multiple access system providing variable data rate access to a user
RD Gitlin, I Chih-Lin - US Patent 5,442,625, 1995 - Google Patents
... n't successful, it is re-tried in step 505. If it is successful, Not only does this sub-rate channel
facilitate synchroni- then in step 507 the base **station** assigns a primary code zation and power
control procedures, but also it is used clto the **mobile** unit over the **broadcast** channel. ...
Cited by 40 - Related articles - All 4 versions

[BOOK] Data management for **mobile** computing
E Pitoura, G Samaras, G Samaras - 1998 - Citeseer
... Issues **Key** Issues: Mobility, Wireless Communications, Portability 7, 2, 4, 1] ... { (**Broadcast** Facility)
There is a high bandwidth **broadcast** channel from the base **station** to all **mobile** clients in its cell. {
(Tarrifs) For some networks (eg, in cellular telephones), network access is ...
Cited by 287 - Related articles - View as HTML - All 10 versions

Single chip solution for multimedia GSM **mobile station** systems
J Lodenius - US Patent 5,799,091, 1998 - Google Patents
... keyboard and display drivers, memory management and code compaction, digital signal
processing ("DSP") and DSP memory and radio interface functions. 25 Claims, 1 Drawing Sheet
A SINGLE CHIP SOLUTION FOR MULTIMEDIA GSM **MOBILE STATION** SYSTEMS -too ...
Cited by 9 - Related articles - All 5 versions

A-2-pass authentication and **key** agreement protocol for **mobile** communications
K Lee, S Moon, W Jeong, T Kim - ... of The 2nd International Conference on ..., 1999 - Springer
... at the **mobile** user end due to limited performance. In the new protocol, M need to compute two
multiplications on an EC system for computing K MB and T. These two multiplications can be
done in off-line state if the base **station broadcast** its public **key** information regularly and ...
Cited by 7 - Related articles - All 4 versions

Design and analysis of low-power access protocols for wireless and **mobile** ATM ...
KM Sivalingam, JC Chen, P Agrawal, MB Srivastava - Wireless Networks, 2000 - Springer
... The **key** to providing service quality will be the scheduling algorithm executed at the base sta ...
However, using a small packet size for **registration** and bandwidth requests can reduce energy
consumption. ... letting the base **station broadcast** a list containing the set of the **mobile** IDs. ...
Cited by 97 - Related articles - BL Direct - All 11 versions

Method and apparatus for base selection in a communication system
TV D'Amico - US Patent 5,809,430, 1998 - Google Patents
... invention provides handover, and when a handset is in idle or scan mode, this invention will
provide **registration**. ... trans- mit power level, at least one of the transmit signals including the code
words, wherein the improvement comprises: at a **mobile station**, measuring the ...
Cited by 8 - Related articles - All 2 versions

Mobile station originated SMS using digital traffic channel
S Alanara, SJ Willhoff - US Patent 6,097,961, 2000 - Google Patents
... system resource that could otherwise be used to convey 40 signalling information for, by example,
mobile station reg- istration and ... menu scrolling and soft keys, and a PWR **key**. The **mobile** Although
described primarily in the context of the SMS **station** 10 also includes a battery ...
Cited by 11 - Related articles - All 2 versions

... and equipment for **broadcasting** messages to **mobile** radio communication stations
M Mouly - US Patent 5,878,033, 1999 - Google Patents
... first bit equals 0 (first **broadcast**) or of the sequence 35 number of an earlier **broadcast** of the ... The
mobile station is able to retrieve the sequence number of each repetition on the basis of the
position ... table VI, that of table VII has the advantage of making it possible to code on one ...
Cited by 7 - Related articles - All 2 versions

Method of arranging radio control channels in **mobile** communications
N Umeda, O Seizo, U Takanori... - US Patent 5,081,704, 1992 - Google Patents
... The A channel also transmits a location **registration** taneous transmission of plural radio zones
is performed **...** different control channel structures in units of base stations (a control channel 15
code in each zone, a control channel number, a **mobile station** grouping number **...**
Cited by 10 - Related articles - All 4 versions

Mobile receiver
A Kobayashi, H Shiozawa - US Patent 5,086,511, 1992 - Google Patents
... an area tion name data associated with said receive fre- selection **key**. quency data corresponding
to said one of said areas 3. A **mobile** as set forth in claim 1, wherein said out- determined by said
receive area decision means put identifying said one **broadcasting station** is pres **...**
Cited by 5 - Related articles - All 4 versions

Reduction of power consumption in a **mobile station**
H Jokinen - US Patent 5,570,369, 1996 - Google Patents
... 29,1996 Sheet 4 of 6 PCH/BCCH MESSAGE 184 BITS FIRE CODE + TAIL IN : 184 BITS OUT :
228 BITS CONVOLUTION CODE RATE 1/2 IN : 228 BITS OUT **...** Contact is achieved with the base
station through the **mobile station** listening to **broadcast** channels which **...**
Cited by 4 - Related articles - All 5 versions

... communication between base **station** and **mobile station** and multiple access ...
Y Takiyasu, E Amada, H Jusa, T Ishifuji, S ... - US Patent ..., 1996 - Google Patents
... ERROR CORREC- TING CODE \ i \ \ CORREC- TING CODE 26a 25b **...** RETRANSMISSION ACK
CONTROL FOR RETRANSMISSION NAK **BROADCAST** COMMUNICATION UNDEFINED **...**
COMMUNICATION BETWEEN BASE **STATION** AND **MOBILE STATION** AND MULTIPLE **...**
Cited by 26 - Related articles - All 2 versions

Mobile terminal having enhanced system selection capability
J Seppanen, J Vaihoja, M Lietsalmi, J ... - US Patent 5,903,832, 1999 - Google Patents
... of PSIDs/RSIDs in an IS-136 compatible **mobile station**. To facilitate the discussion, the following
conventions are used. PSID is the numeric value of a Private System ID. APSID is always be
associated with the appropriate System Iden- tification Code (SID), System Operator **...**
Cited by 13 - Related articles - All 2 versions

Mobile terminal having network services activation through the use of point-to-point ...
J Vanttila, S Alanara, J Seppanen, J Vaihoja, M ... - US Patent ..., 1998 - Google Patents
... convenient to pre-program the unit with a full comple- ture code **broadcast** service, wherein **...**
However, only a fixed category channel of the **Broadcast** SMS would certain of these **...** or multiple
feature access strings and related example, and assuming the **mobile station** includes a **...**
Cited by 23 - Related articles - All 7 versions

[PDF] The **mobile** phone meets the Internet
MW Oliphant - IEEE spectrum, 1999 - hosting.udlap.mx
... **Broadcast** data, of interest to all **mobile** phones, and point-to-point data, directed at **...** those used
to segregate users, there is also a short-sequence pseudorandom code common to **...** Each base
station has its own pseudonoise delay, so that a CDMA **mobile station** sees emissions **...**
Cited by 89 - Related articles - BL Direct - All 5 versions

Paging a **mobile station** within a public land **mobile** network (PLMN)
V Alperovich, A Maupin - US Patent 5,960,356, 1999 - Google Patents
... the same **Broadcast** Control Channel (BCCH) frequency are then distinguished by the **mobile**
station using a Base **Station** Identity Code (BSIC). **...** Whenever the **mobile station** 100 travels into
a particular **mobile** switching center (MSC) coverage area, a **registration** is made **...**
Cited by 6 - Related articles - All 4 versions

Mobile station handoff between a spread spectrum communications system and a ...
F Sawyer - US Patent 5,901,145, 1999 - Google Patents
... target cell for a wideband radio frequency base **station** positioned in **mobile station** handoff. ... The
method as in claim 14 wherein the spread a wideband **mobile** switching center connected to each
of spectrum communications system comprises a code division the ...
Cited by 4 - Related articles - All 4 versions

Detection of fraudulently registered **mobile** phones
UJ Amin, LB Rowe, RJ Waughman - US Patent 5,953,652, 1999 - Google Patents
... to screen for cloning fraud and pro- vides data (cipher **key**) for encryption of ... Such **registration**
generally accomplished by determining which base **station** system and associated MSC ... The
mobile station continues to monitor the **broadcast** control channel (BCCH) for the identity of ...
Cited by 10 - Related articles - All 4 versions

... and method for cellular reseller control of outbound calls from a **mobile station**
CR Scott - US Patent 6,078,805, 2000 - Google Patents
... Secret Code, Conversation Yes 1655 **Mobile** Handset Performs Time-out Signaling 1650 \ Send
an On-Hook Signal to the Network 1660 \ 1670 FIG. 16 Page 19. US Patent Jun. 20, 2000 Sheet
18 of 20 6,078,805 Originating Handset 1705 BSC BTS \ 1710 \ 1715 Base **Station** ...
Cited by 11 - Related articles - All 4 versions

System specified adaptive **mobile station** behavior within a **mobile** ...
S Gupta, CB Fowler - US Patent 5,987,322, 1999 - Google Patents
... Accordingly, using a **Mobile** Attenuation Code (MAC), for 40 45 50 mission medium and ... said data
further comprises the step of **broadcasting** said data within **registration** number (RNUM ... the steps
of: receiving a system information message at said **mobile station broadcast** by a ...
Cited by 3 - Related articles - All 4 versions

... and system of data transmission and reception in a **mobile station** within a radio ...
H Kallin - US Patent 5,745,860, 1998 - Google Patents
... United States Statutory Invention **Registration, Reg. ...** These gross data rates 65 which includes
Local Control Option Code (LCOC) bits and include transmission of all synchronization words ...
The actual information bit rate **station** control channel and is received at a **mobile station**. ...
Cited by 6 - Related articles - All 6 versions

... multiple access communication system for delivering a message to a **mobile** ...
WD Willey - US Patent 5,878,038, 1999 - Google Patents
... tion systems, and, more particularly, to a method in a wireless code division multiple access
communication sys- tem for delivering a message to a **mobile** communication unit. ... such as a
cellular radio frequency (RF) radiotelephone system, a base **station** system having ...
Cited by 6 - Related articles - All 6 versions

Handoff of a **mobile station** between half rate and full rate channels
J Uddenfeldt, H Hermansson - US Patent 5,327,576, 1994 - Google Patents
... and controlling **mobile** stations during the set up of the connection and during the **registration**
of a mo ... blocks with part of the speech coder output bits pro- tected by an error correction code. ...
because it is a function of the distance between the base **station** and the **mobile station**. ...
Cited by 16 - Related articles - All 3 versions

Mobile station operations management based on battery capacity
JM Flynn - US Patent 5,870,685, 1999 - Google Patents
... 9, 1999 Sheet 5 of 7 COMMAND CODE TYPE OF ACCESS COMMAND DESCRIPTION OF ... the
next **registration** (NXTREG) value which is stored in each **mobile station** and the system
identification (SID), location area identification (LOCAID), **registration** identification (REGID ...
Cited by 13 - Related articles - All 4 versions

Broadcast short message service architecture
SS Chander, SB Mizikovsky - US Patent 5,909,651, 1999 - Google Patents
... Services for Wide- band Spread Spectrum Cellular Systems," specify protocols for wireless
systems that use Code Division Multiple ... positive integer B of slots is Further economy can be
achieved by indicating to the **mobile station** when there are no **broadcast** messages to ...
Cited by 11 - Related articles - All 2 versions

Mobile station location determination in a radio communication system
TM King, GJ Geier - US Patent 6,211,819, 2001 - Google Patents
... The receiver obtains satellite ephemeris and clock correction data by demodulat-
ing the satellite **broadcast** message stream. ... The **mobile station** determines a
restricted range of satellite Doppler and code phase search. ...
Cited by 6 - Related articles - All 4 versions

Location of a mobile station using a plurality of commercial wireless infrastructures
FW LeBlanc, DJ Dupray, CL Karr - US Patent 6,236,365, 2001 - Google Patents
... (io) Patent No.: US 6,236,365 BI (45) Date of Patent: May 22,2001 (54) LOCATION OF A **MOBILE
STATION** USING A PLURALITY OF COMMERCIAL WIRELESS INFRASTRUCTURES (75)
Inventors: Frederick W. LeBlanc, Arvada; Dennis J. Dupray, Golden, both of CO (US ...
Cited by 36 - Related articles - All 4 versions

Authentication key management for mobile stations
MD Fehnel - US Patent 5,887,251, 1999 - Google Patents
... User authorization for cellular service is usually per- formed at every system access (ie, **registration**
request, call origination or page response) by a **mobile station**. ... The A-**key** can be entered into the
mobile station at the time of **mobile** service activation by an authorized ...
Cited by 5 - Related articles - All 6 versions

Zone registration of a mobile in a mobile telephone system
T Hara - US Patent 5,406,614, 1995 - Google Patents
... 214. Referring now to FIG. 5, a zone **registration** process of this invention is
described. At a **mobile** radio **station** 4(RTEL), the operator presses the zone
register **key** 421 whenever he requests zone **registration**. A ...
Cited by 3 - Related articles - All 2 versions

Mobile wireless computing: challenges in data management
T Imielinski, BR Badrinath - 1994 - portal.acm.org
... local parties or between a user (in a remote area) and a home location area (in case the user
is outside of his or her **registration** area ... Providing a smooth interaction of **mobile** clients with
information servers over such narrow' bandwidth is one of the **key** challenges currently ...
Cited by 569 - Related articles - BL Direct - All 6 versions

Mobile station having enhanced standby mode
S Alanara, J Ranta, H Pirila, H Jokinen - US Patent 6,067,460, 2000 - Google Patents
... PCH) reception, the **broadcast** control channel (BCCH) reception, and the cell **broadcast** channel
(CBCH ... a SEND 45 **key**, various menu scrolling and soft keys, and a PWR **key**. The **mobile station**
10 also includes various memories, shown collectively as the memory 24, wherein ...
Cited by 5 - Related articles - All 4 versions

Mobile terminal having user-actuated pager mode
J Vaihoja, R Kivari, M Lietsalmi, J Vanttila, J ... - US Patent ..., 1998 - Google Patents
... 92-93; paragraph 6.3.7 (**Registration**), pp. ... The symbol T above a display indicates 5 that a down
arrow menu scrolling **key** is depressed to move a display cursor > down by ... When the Pager Mode
is off the **mobile station** 10 is enabled to receive incoming calls in a normal fashion ...
Cited by 12 - Related articles - All 4 versions

Periodic system ordered rescan in a cellular communication system
H Kallin, RS Bodin - US Patent 5,119,502, 1992 - Google Patents
... when a **mobile station** locks onto one paging channel **mobile station** may send a **registration**
access over ... ci- phering unit 112 is provided for generating the cipher- ing code utilized by the
mobile station. ... The ciphering unit 112 is controlled by a **key** 113 which is unique for each ...
Cited by 11 - Related articles - All 2 versions

[PDF] UMTS/IMT-2000 based on wideband CDMA
E Dahlman, B Gudmundson, M Nilsson, ... - IEEE Communications ..., 1998 - paginas.fe.up.pt
... MSS MSS **reg**.2 IMT-2000 ... Handover — The support of seamless inter- frequency handover through
a downlink slotted mode is a **key** feature of W ... A downlink common transport channel used to carry
control information and short user packets to a **mobile station**, the location cell ...
Cited by 446 - Related articles - View as HTML - BL Direct - All 10 versions

Systems and methods for identifying emergency calls in radiocommunication ...
AK Raith, GE Bottomley, J Diachina - US Patent 6,073,005, 2000 - Google Patents
... defined for the **mobile** unit that provides the same functionality as the special **key** embodiments. ...
Moreover, the **mobile** unit may use a determination of a current country of operation to ... 1 illustrates
an exemplary base **station** and **mobile** unit which may operate in accordance with ...
Cited by 5 - Related articles - All 5 versions

Method and system for locating **mobile** units in a cellular telephone system by use ...
DB DeVaney - US Patent 5,548,816, 1996 - Google Patents
... assigned to a **mobile** unit based upon the cell location of the **mobile** unit at the time of **registration**. ...
20, 1996 Sheet 8 of 18 16A **MOBILE** ID VIRTUAL LOCATION DEFINED CELL M20 C7 FIG. ... 20,
1996 Sheet 9 of 18 CELL* SI CLI **BROADCAST** C1 A 06 C2 A 06 C3 A 02 C4 A 01 ...
Cited by 7 - Related articles - All 2 versions

IP mobility support using proxy **mobile** node **registration**
JJ Willkie, M Lioy, SM Armstrong - US Patent 6,230,012, 2001 - Google Patents
... As a result, the **mobile** node **registration** occurs transparently to the terminal device, obviating
the need ... invention will be described without specific refer- ence to the actual software code, it
being ... **Mobile**- terminated calls (ie, those where the MT2 device is the called party) are not ...
Cited by 19 - Related articles - All 6 versions

Multicluster, **mobile**, multimedia radio network
M Gerla, J Tzu-Chieh Tsai - Wireless networks, 1995 - Springer
... path through node 9 (by inspection of its routing table), and assign slot(s) and code to this ... Thus,
the conventional VC reconfiguration scheme cannot catch up with **station** movements. For highly
mobile environments we pro- pose an alternate scheme based on fast reservations ...
Cited by 1021 - Related articles - All 8 versions

[PDF] Location Variability of Transmission Loss—Land **Mobile** and **Broadcast** ...
AG Longley - Office of Telecommunications Report OT76-87, NTIS ..., 1976 - its.bldrdoc.gov
... **Key** words: **Broadcast** systems; irregular terrain; location variability; **mobile** systems; radio
transmission loss ... 1. INTRODUCTION In a **broadcast** or **mobile** system, at frequencies above 20
MHz, a ... be taken into account in estimating the coverage of a **broadcasting station**, or the ...
Cited by 8 - Related articles - All 4 versions

... network of the operating capabilities of a **mobile** terminal located therein
F Lupien - US Patent 6,006,091, 1999 - Google Patents
... to the **mobile** terminal on the PCH or the ARCH, or at specific **registration** accesses. ... The **mobile**
termi- Voice Privacy Mode (VPM) Map BSMC 25 nal remains in its existing ... Voice Coder (VC)
Mode Map SMS Map r,,, ,. Message Encription **Key** (MEK) Map IRA Encoding ...
Cited by 8 - Related articles - All 4 versions

[BOOK] Digital **mobile** communications and the TETRA system
J Dunlop, D Girma, J Irvine - 1999 - books.google.com
... Operation of the TETRA V+D Mode 141 4.7.1 Location **Registration** 141 4.7.2 ... CELP ADC analogue
to digital conversion ADPCM adaptive differential pulse code modulation AGCH ... Grant CHannel
AI air interface AM amplitude modulation AMPS Advanced **Mobile** Phone System ...
Cited by 76 - Related articles

Optimal use of logical channels within a **mobile** telecommunications network
V Alperovich, R Bhatia - US Patent 5,896,376, 1999 - Google Patents
... network. As an illustration, the For example, the **broadcast** system information
includes data techniques of time division multiple access (TDMA) or code about
the network that the **mobile station** needs to be able to Page 10. 5 ...
Cited by 8 - Related articles - All 7 versions

... and messaging protocol for coupling a **mobile station** to peripheral devices
M Veijola, A Alaniemi, A Turner - US Patent 6,128,509, 2000 - Google Patents
... TRANSACTION STARTS.^> SEC.CODE-REQUIREDJND SEC-CODE- VERIFY-REQ SEC-CODE-
VERFY-OK ... of this invention to provide multipoint connection capability for a **mobile station**, and
to ... The main message router is operable to receive **registration** requests from the ...
Cited by 6 - Related articles - All 7 versions

Access method, **mobile station** and base **station** for CDMA **mobile** communication ...
M Tanno, S Uebayashi - US Patent 6,078,572, 2000 - Google Patents
... **Mobile** stations 1-4 transmits data in accordance with the spreading code and the
transmission timing which are des- ignated from base **station** 30. 51 Claims, 11 Drawing
Sheets DPVPRCC ruAMMci 1fl. REVERSE CHANNEL 10. ...
Cited by 5 - Related articles - All 5 versions

Method for determining whether to wake up a **mobile station**
WD Willey - US Patent App. 09/938,323, 2001 - Google Patents
... A pilot channel is also **broadcast**. ... level during the bit time period using a particular spreading
code and for the other value the base **station** does not transmit any power during the bit time
period using the particular spreading code. [0075] When the **mobile station** receives a ...
Cited by 5 - Related articles - All 7 versions

[PDF] Implementing a testbed for **mobile** multimedia
A Dutta, JC Chen, S Das, M Elaoud, D Famolari, ... - GLOBECOM-NEW ..., 2001 - Citeseer
... tering multicast packets, and being able to prioritize the traffic destined for a particular **mobile**
host connected ... Client version of SIP is a tcl/tk and C code, and provides a nice user interface ... can
interact with loca- tion server, and can be used for services like **registration**, se- curity ...
Cited by 22 - Related articles - View as HTML - BL Direct - All 8 versions

System and method for delivery of short message service messages to a restricted ...
V Alperovich, E Valentine - US Patent 6,175,743, 2001 - Google Patents
... wireless communication with said plu- rality of **mobile** terminals, said base **station broadcast**-
ing said ... intended only for a particular group of said plurality of **mobile** terminals, said ... a plurality
of group identification codes, said particular group identification code being associated ...
Cited by 4 - Related articles - All 4 versions

Method and apparatus for a deep-sleep mode in a digital cellular communication ...
RC Henry - US Patent 5,590,396, 1996 - Google Patents
... Presses Function (FCN) **Key** on Keypad 603 User Presses **Key** 1 and then **Key** 5 604 ...
Mobi^,Stat'on,'fscu^u „ . ... Paging Class Set by FBCCH **Registration** Message and Ljstens to
SRACH ... as a do-not-disturb mode for business meet- ings, and allows the **mobile station** user ...
Cited by 22 - Related articles - All 2 versions

System and method for cellular reseller control of inbound calls to a **mobile station**
CR Scott - US Patent 5,907,802, 1999 - Google Patents
... a New Secret Code, Conversation Yes 1655 **Mobile** Handset Performs Time-out Signaling 1650 \
Send an On-Hook Signal to the Network FIG. 16 1660 1670 Page 19. US Patent May 25,1999
Sheet 18 of 20 5,907,802 Originating **Mobile** Handset 7705 1710 1715 Base **Station** ...
Cited by 8 - Related articles - All 4 versions

Method and system for locating a **mobile station** within a **mobile** ...
J Seraj - US Patent 6,055,434, 2000 - Google Patents
... As an illustration, if the beacons are placed less than one hundred and fifty (150) meters apart,
and programmed to **broadcast** the identification data over a geographic area ... Such an instruction
includes a service code instructing the **mobile station** to terminate the ...
Cited by 3 - Related articles - All 4 versions

... for transmitting DTX_Low state information from **mobile station** to base **station**
S Alanara - US Patent App. 09/925,071, 2001 - Google Patents
... power. In the IS-136 system DTX operation can be initiated by the **mobile station**
when on either an analog voice channel or a digital traffic channel, if permitted by
the base **station** in **broadcast** control channel signalling. [0009 ...
Cited by 4 - Related articles - All 4 versions

... call generator with a **mobile** telecommunications network based upon **mobile** ...
V Alperovich, E Valentine - US Patent 5,819,180, 1998 - Google Patents
... a call connection request containing said further comprises means for comparing said Cell
Broadcast called party ... by said **mobile** said request comprises the step of first receiving a service
station further comprises means for receiving a **mobile** code followed by said ...
Cited by 7 - Related articles - All 2 versions

[CITATION] A framework for analyzing the user membership in cellular ...
F Santucci, W Huang, VK Bhargava - IEEE Transactions on Communications, 2000
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[PDF] Adaptive clustering for **mobile** wireless networks
CR Lin, M Gerla - IEEE Journal on Selected areas in Communications, 1997 - Citeseer
... Most hierarchical clustering architectures for **mobile** radio networks are based on the con- cept
of clusterhead [3, 4, 7]. The ... It differs from the base **station** concept in current cellular systems,
in that it does not have special ... The **key** resource for multimedia QoS support is bandwidth ...
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Broadcast information delivering system
S Tanaka, E Amada, S Mizutani - US Patent 6,256,509, 2001 - Google Patents
... CCH2 UPLINK TRAFFIC CHANNEL: TCH1 UPLINK TRAFFIC CHANNEL: TCHn **MOBILE**
STATION MS ... SET START TIME TO TIMER T2 PROCESS FOR GETTING DECIPHER **KEY** ^
UPDATE VERSION ID IN TBL2(p) ^128 RECEIVE **BROADCAST** CONTROL INFORMATION ...
Cited by 2 - Related articles - All 4 versions

Forward-secure threshold signature schemes
M Abdalla, S Miner, C Namprempre - Lecture notes in computer science, 2001 - Springer
... Furthermore, since we assume the presence of **mobile** adversaries, we also need to ensure that
a ... even though it has been previously halted during crucial periods such as a **key update** phase. ...
in our scheme include a set of n players who are connected by a **broadcast** channel. ...
Cited by 57 - Related articles - BL Direct - All 22 versions

A Key Update Based on Logistic Model in Cognitive Radio Networks
J Zhou, X Zhou, H Wu, L Sun - icise, 1899 - computer.org
... Some cognitive nodes compose of trusted third party who **broadcast** update key information by
all ... **Update** key only uses control channel to send information, the method is same to second
solution, the difference is that second solution send information by data channel. ...

Iolus: A framework for scalable secure multicasting
S Mittra - ACM SIGCOMM Computer Communication Review, 1997 - portal.acm.org
... has a highly dynamic membership, resulting in flurries of **key update** messages that increase
the probability of transient security breaches and confusion. ... should be noted that multicast can
be simulated using either unicast or **broadcast**, albeit with a loss of efficiency. 280 ...
Cited by 655 - Related articles - BL Direct - All 24 versions

Rolling key resynchronization in cellular verification and validation system
KA Raith - US Patent 5,241,598, 1993 - Google Patents
... The **mobile** station will then set the **mobile** sta- has not received the changeable **key update**
signal from tion rolling key input to the selected value in response the network, the **mobile**
station will set the changeable to the command from the network. ...
Cited by 41 - Related articles - All 2 versions

Adaptively-secure optimal-resilience proactive RSA
Y Frankel, P MacKenzie, M Yung - Lecture notes in computer science, 1999 - Springer
... hard. 2. From an adversarial perspective, the "proactive" system is the most difficult
since it must cope with a "**mobile**" adversary (whereas a regular "robust threshold
system" copes only with static adversary)..   CertCo, yfrankel ...
Cited by 28 - Related articles - BL Direct - All 7 versions

Robust forward-secure signature schemes with proactive security
WG Tzeng, ZJ Tzeng - Lecture Notes in Computer Science, 2001 - Springer
... We assume that the **mobile** adversary can corrupt all parties during the lifetime of the cryptosystem;
nevertheless, it can corrupt at most t ... We assume that the involved n parties are connected by

a **broadcast** channel such that the messages over the channel cannot be blocked ...
Cited by 15 - Related articles - BL Direct - All 5 versions

Authentication system for digital cellular communications
P Dent - US Patent 5,091,942, 1992 - Google Patents
... 25, 1992 [54] AUTHENTICATION SYSTEM FOR DIGITAL CELLULAR COMMUNICATIONS [75]
Inventor: Paul Dent, Stehag, Sweden [73] Assignee: Ericsson GE **Mobile** Communications Holding,
Inc., Paramus, NJ [21] Appl. No.: 556,890 [22] Filed: Jul. 23, 1990 [51] Int. ...
Cited by 57 - Related articles - All 5 versions

System and method for the transmission and validation of an updated encryption ...
D Bantz, F Bauchot, S Kutten, A Herzberg, BE Dal, H ... - 1995 - freepatentsonline.com
... capability to recognize a specific adaptor address as well as a **broadcast** address. ... in function
block 410 between the base station transceiver and the **mobile** station transceiver ... validation of
the encryption key data transfer starts; periodically an encryption **key update** condition is ...
All 2 versions

Cellular verification and validation system
AK Raith - US Patent 5,237,612, 1993 - Google Patents
... 17,1993 [54] CELLULAR VERIFICATION AND VALIDATION SYSTEM [75] Inventor: Alex
K. Raith, Durham, NC [73] Assignee: Ericsson GE **Mobile** Communications Inc., Research
Triangle Park, NC [21] Appl. No.: 677,232 [22] Filed: Mar. ...
Cited by 49 - Related articles - All 5 versions

Dynamic cryptographic context management (DCCM)
DM Balenson, P Dinsmore, M Heyman, PS Kruus, C ... - 2000 - Storming Media
... not be humans; they can be a variety of communicating entities, including sensors, **mobile** client
workstations ... For example, a single lecture **broadcast** from a semester long class would be a ...
Thawing a participant resumes the distribution of **key update** messages to the participant. ...
Cited by 3 - Related articles - All 8 versions

Efficient, secure multicasting with minimal knowledge
G Caronni, M Waldvogel - US Patent 6,195,751, 2001 - Google Patents
... 1995.* Li Gong and Nachum Shacham, "Multicast security and its extension to a **mobile**
environment", Wireless Metworks 1 (1995) 281-295, Jan. ... Guang-Huei Chiou, Wen-Tsuen Chen,
"Secure **Broadcast**- ing Using the Secure Lock," IEEE Transactions on Infor- mation Software ...
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Efficient, secure multicasting with global knowledge
G Caronni, M Waldvogel - US Patent 6,049,878, 2000 - Google Patents
... 1982. Guang-Huei Chiou, Wen-Tsuen Chen, "Secure **Broadcast**- ing Using the Secure Lock,"
IEEE Transactions on Infor- mation Software ... Li Gong, Nacham Shacham, "Multicast Security and
its Extension to a **Mobile** Environment," ACM-Baltzer Journal of Wireless Networks, Oct ...
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[PDF] Supporting Secure and Transparent Delegation in the CORBA Proxy ...
Z Nochta, R Ruggaber, T Rochaeli - Proceedings of the IFIP TC6/WG6. 8 ..., 2001 - Citeseer
... Due to the **broadcast** characteristics of wireless communication, **mobile** users have very high
security requirements. ... π m 2 is located on the **mobile** ... key-generation, user certification, certificate
distribution, cross-certification, certificate revocation, key recovery, **key-update** and key ...
Related articles - View as HTML - All 5 versions

Design of LAN-Lock, a system for securing wireless networks
... CMV Hoyt, T Swanson, P Broccard ... - ... 1999.(ACSAC'99 ..., 1999 - doi.ieeecomputersociety.org
... In order to prevent inadver- tent **broadcast** of unencrypted data over the WLAN, and to prevent

wireless hosts **...** that they are indeed new keys and not a re- play of some old **key update** message). **...** As the hosts are **mobile**, it is not appropriate to constrain a host always to contact the **...**
Cited by 2 - Related articles - All 6 versions

Multi-threaded communicating agents in Qu-Prolog
KL Clark, PJ Robinson, S Zappacosta- ... - Computational logic in ..., 1998 - Springer
... On occasion it suspends waiting for a **key update ...** messages to be routed through fire walls and to be automatically downloaded to agents on **mobile** devices, such as **...** to Elvin enables us to quickly build agent applications that need to use a message **broadcast** mechanism with **...**
Cited by 4 - Related articles - All 4 versions

Why Hierarchical Key Distribution Is Appropriate for Multicast Networks
C Gamage, J Leiwo, Y Zheng - Lecture Notes in Computer Science, 2000 - Springer
... The basic difference between **broadcast** networks and multicast networks is that in multicast, delivery is to a **...** of rounds required for key distribution, size of security control messages and **key update**/change techniques. **...** Multicast security and its extension to a **mobile** en- vironment **...**
Related articles - BL Direct - All 4 versions

[PDF] Design and Analysis of an Anonymous Communication Channel for the Free ...
MJ Freedman - Online: http://www. freehaven. net/doc/comm. ps, 2000 - Citeseer
... 12 Page 13. Times is another good example, though again it's not perfect, since it seems conceivable that some- body could track who purchases a given newspaper. In general, **broadcast** media like this are good ways to achieve anonymity. **...**
Cited by 6 - Related articles - View as HTML - All 15 versions

[PDF] Planning Considerations for Secure Network Protocols
PR Barlow - 1999 - edocs.nps.edu
... Mobile (wireless) communications present a more dynamic set of user requirements to be satisfied. **...** Page 34. have developed a successor version of their multicast protocol, called RMTP (version 2) . This protocol has been designed especially for **mobile** (wireless) users. **...**
All 5 versions

[PDF] The free haven project: Design and deployment of an anonymous secure ...
R Dingledine - M. Eng. thesis, Department of Electrical Engineering ..., 2000 - Citeseer
... who purchases a given newspaper and somehow extend this to who reads a given newspaper. In general, **broadcast** media are good ways to achieve anonymity. A Usenet feed is a bad example here, because if the user is **...**
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[PDF] The Free Haven Project: Design and Deployment of an Anonymous Secure ...
RL Rivest - 2000 - Citeseer
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